PERSONAL STATEMENT

I am broadly trained as a spatial epidemiologist. My research efforts have focused on spatial epidemiology in different transmission settings. My most important research accomplishments relate to my innovative use of Geographic Information System (GIS) to assess the risk factors. My basic understanding of spatial epidemiology and my considerable collaborative efforts with colleagues across the globe have allowed me to adapt diverse spatial tools to pursue questions of the spatial drive of epidemiology to emerging and reemerging infectious diseases. I am also contributing to landslides and human health.

Websites: http://www.researchgate.net/profile/Md_Ubydul_Haque
http://scholar.google.com/citations?user=6FABa6wAAAAJ&hl=en

EDUCATION AND TRAINING

April 2012 - July 2014
Post Doctoral fellow
Johns Hopkins University
Baltimore, USA

August 2011 - March 2012
Guest Ph.D. student
Norwegian University of Life Sciences
Ås, Norway

April 2009 - March 2012
Doctor of Philosophy: Climate Change and Health
Department of International Health
Nagasaki University
Nagasaki, Japan

June - July 2011
Epidemiology & Global Health (15 ECT)
University of Dundee
Dundee, UK

August 2010
Short training, Spatial Statistics
Environmental Systems Research Institute
California, USA

August 2009
Short training, Bayesian modeling
University of Queensland
Brisbane, Australia
July 2009  
Summer course (10 ECT), Mixed method research  
Bergen University  
Bergen, Norway

2005 - 2007  
MSc, Geoinformatics  
Royal Institute of Technology  
Stockholm, Sweden

1999 - 2004  
Bachelor of Urban and Rural Planning  
Khulna University  
Khulna, Bangladesh

**PROFESSIONAL EXPERIENCE**

2018 - Present  
Assistant Professor (tenure-track)  
Department of Biostatistics and Epidemiology  
University of North Texas Health Science Center  
Fort Worth, Texas, USA

2017 - 2018  
Assistant Professor (tenure-track)  
Department of Public Health & Prevention Sciences  
Baldwin Wallace University  
Berea, USA

2018 - Present  
Visiting Associate Professor  
Department of International Health  
Nagasaki University  
Nagasaki, Japan

September 2016 - June 2017  
Research Associate  
National Center for Atmospheric Research  
Boulder, Colorado, USA

August 2014 - August 2016  
Research associate  
Department of Geography & Emerging Pathogens Institute  
University of Florida  
Gainesville, Florida, USA

January 2009 - March 2010  
Research Investigator  
ICDDR, B  
Dhaka, Bangladesh

2004 - 2008  
Senior Research Assistant  
ICDDR, B  
Dhaka, Bangladesh
<table>
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<th>Year</th>
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<td>2015</td>
<td>Travel award, IGU 2015 regional conference</td>
<td>Moscow, Russia</td>
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<td>2015</td>
<td>Travel award, Targeting Ebola conference</td>
<td>Paris, France</td>
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<tr>
<td>2015</td>
<td>Travel Award, Tropical Infectious Diseases Gordon Research Seminar, Challenges, Opportunities and Successes. Galveston, Texas, USA</td>
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<tr>
<td>2014</td>
<td>Travel Award, ISPRS Foundation</td>
<td>Hyderabad, India</td>
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<td>2014</td>
<td>Johns Hopkins Libraries Open Access Promotion Fund</td>
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<tr>
<td>2013</td>
<td>Travel Award, 6th MIM Pan-African Malaria Conference</td>
<td>Durban, South Africa</td>
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<tr>
<td>2013</td>
<td>NASA Meeting Travel Fellowship, the 2nd Symposium on Advances in Geospatial Technologies</td>
<td>Arlington, Virginia, USA</td>
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<td>2012</td>
<td>Excellence in Peer Review, Acta Tropica</td>
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<tr>
<td>2012</td>
<td>Post-Doctoral fellowship, A. Ralph and Sylvia E. Barr Fellowship</td>
<td>Johns Hopkins University, USA</td>
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<tr>
<td>2011</td>
<td>Best paper award, Nagasaki University, Japan</td>
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<td>2011</td>
<td>Young guest and doctoral researchers' annual scholarships for Investigation and learning (Yggdrasil), The Research Council of Norway</td>
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<tr>
<td>2011</td>
<td>Travel award, ISSRM Malaysia Conference, Institute of Tropical Medicine, Nagasaki University, Japan</td>
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<tr>
<td>2011</td>
<td>Summer School, Department of Epidemiology &amp; Global Health University of Dundee, UK</td>
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<td>2010</td>
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<tr>
<td>2010</td>
<td>Travel award, 20th IUHPE World Conference on Health Promotion</td>
<td>Geneva, Switzerland</td>
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<td>2009</td>
<td>Doctoral fellowship, Global Center for Excellence</td>
<td>Nagasaki University, Japan</td>
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<td>2009</td>
<td>Global development challenges, climate change</td>
<td>Bergen University, Norway</td>
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<td>2008</td>
<td>New Researcher Award, ICDDR, B, Dhaka, Bangladesh</td>
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RESEARCH SUPPORT (PEER REVIEWED GRANT)

Current funding
Project Title: Effects of climate change and variability on community vulnerability and exposure to dengue in South East Asia
Funding Source: The Research Council of Norway
Role: PI in US part, $1.2 million
Start Date: 08.01.2018
End Date: 07.30.2022

Completed funded research protocol
Project Title: The role of deforestation and climate change in the spread of malaria in Bangladesh.
Funding Source: ICDDR, B (New Researcher Award)
Role: PI (funding amount, $73,500)
Start Date: 01.01.2009
End Date: 12.30.2012

Project Title: Modeling of malaria risk using hydrological, topographic and climatic variables in Bangladesh.
Funding Source: The Research Council of Norway
Role: PI (funding amount, $30,000)
Start Date: 08.01.2011
End Date: 04.30.2012

PEER-REVIEWED PUBLICATIONS

<table>
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<tr>
<th>Publication summary and metrics</th>
<th>First author</th>
<th>Last author</th>
<th>Co-author</th>
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<td>The Lancet Infectious Dis</td>
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<td>Malaria Journal</td>
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<td>Am. J. Trop. Med. Hyg</td>
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**Peer-reviewed publications** (* = Corresponding author, II = Student’s paper, ¶ = Joint first author, ‡ = Joint senior author). 18 first author, and 19 senior author papers, 11 of them led by my students (through mentorship).


69. Sherry Mangla, Ashok Kumar Pathak, Mohd. Arshad, **Ubydul Haque**. *Short-term Forecasting of the COVID-19 Outbreak in India*. International Health (Accepted).


64. Jailos Lubinda, **Ubydul Haque**; Yaxin Bi; Muhammad Yousaf Shad; David Keellings; Busiku Hamaiza; Adrian J. Moore. *Climate change and the dynamics of age-related malaria incidence in Southern Africa: A focus on Zambia*. Environmental Research (Accepted).


43. Iqbal Kabir; Megnath Dhimal; Ruth Müller; Swagata Banik; **Ubydul Haque**. **The Dhaka Chikungunya outbreak 2017 turns epidemic in Bangladesh.** Lancet Infectious Disease, 17 (11), p1118, 2017.


28. Wen-Yi Zhang, Li-Ya Wang, Xiu-Shan Zhang, Zhi-Hai Han, Wen-Biao Hu, Quan Qian, Ubydul Haque, Ricardo J Soares Magalhaes, Shen-Long Li, Shi-Lu Tong, Cheng-Yi Li, Hai-Long Sun, Yan-Song
9


**INVITED TALKS**

1. "**Malaria epidemiology in Bangladesh**". Multicultural Association for Pre-Health Students, University of Florida, October, 2015.

2. "**Linking between globally increasing deadly landslides and global warming associated extreme rainfall**". Institute for Applied Geosciences, Karlsruhe Institute of Technology, Germany, May 2017.

3. "**Transmission of Arboviruses in Mexico**". Universidad Autónoma de Nuevo León, San Nicolás de los Garza, Nuevo Léon, Mexico, October 2017.

**CONFERENCE PROCEEDINGS AND SCHOLARLY PRESENTATIONS**


2. **Ubydul Haque**. *Reduced death rates from cyclones in Bangladesh – What more needs to be done?* The 17th international symposium on society & resource management, (ISSRM) Sabah, Malaysia, 13-17th June, 2011.


TRAINING
- The Teaching Professor Annual Conference, June 1-3, 2018, Atlanta, Georgia.

STUDENT MENTORSHIP

<table>
<thead>
<tr>
<th>Name</th>
<th>Year(s)</th>
<th>Degree</th>
<th>Status</th>
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<tr>
<td>Esther Annan</td>
<td>2018-2022</td>
<td>Ph.D.</td>
<td>Ongoing</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Samiha Kaiser</td>
<td>2020-2024</td>
<td>Ph.D.</td>
<td>Ongoing</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Siddikur Rahman</td>
<td>2018-2021</td>
<td>Ph.D.</td>
<td>Ongoing</td>
<td>Co-advisor</td>
<td>Khon Kaen university</td>
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<tr>
<td>Sumaira Zafar</td>
<td>2018-2021</td>
<td>Ph.D.</td>
<td>Ongoing</td>
<td>Co-advisor</td>
<td>Asian Institute of Technology</td>
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<tr>
<td>Madison Smith</td>
<td>2020-2021</td>
<td>M.Sc.</td>
<td>Ongoing</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Kranthi Swaroop</td>
<td>2020-2021</td>
<td>M.Sc.</td>
<td>Ongoing</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Nistha Shrestha</td>
<td>2019-2020</td>
<td>M.Sc.</td>
<td>Completed</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Caitlynn Reeves</td>
<td>2018-2020</td>
<td>M.Sc.</td>
<td>Completed</td>
<td>Advisor</td>
<td>UNTHSC</td>
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<tr>
<td>Modasser H. Khan</td>
<td>2011-2012</td>
<td>M.Sc.</td>
<td>Completed</td>
<td>Co-advisor</td>
<td>Norwegian University of Life Sciences</td>
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<tr>
<td>Jacob Smith</td>
<td>2017-2018</td>
<td>Undergraduate</td>
<td>Completed</td>
<td>Advisor</td>
<td>Baldwin Wallace University</td>
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<td>Caleb Zinn</td>
<td>2017-2018</td>
<td>Undergraduate</td>
<td>Completed</td>
<td>Advisor</td>
<td>Baldwin Wallace University</td>
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<tr>
<td>Nathan Lippincott</td>
<td>2017-2018</td>
<td>Undergraduate</td>
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TEACHING EXPERIENCE

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<tr>
<th>Year(s)</th>
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<td>2017-2018</td>
<td>2</td>
<td>Introduction to Public Health</td>
<td>Undergraduate</td>
<td>27-30</td>
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<tr>
<td>2018</td>
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<td>Biostatistics</td>
<td>Undergraduate</td>
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<tr>
<td>2017-2018</td>
<td>2</td>
<td>Biostatistics</td>
<td>MPH (Online)</td>
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<td>2018</td>
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<td>GIS Health Analysis</td>
<td>Undergraduate</td>
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<td>2019</td>
<td>2</td>
<td>GIS in Public Health</td>
<td>MPH/ Doctoral</td>
<td>12</td>
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<td>2019-2020</td>
<td>2</td>
<td>Advance Epidemiology 2</td>
<td>Doctoral</td>
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<td>2019-2021</td>
<td>3</td>
<td>Diseases From Animals to Humans</td>
<td>MPH/ Doctoral</td>
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<tr>
<td>2020-2021</td>
<td>1</td>
<td>Survey Research &amp; Questionnaire Design</td>
<td>Masters/ Doctoral</td>
<td>17</td>
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</tbody>
</table>

MEDIA COVERAGE

Science Magazine: [http://www.sciencemag.org/content/345/6202/1270.full](http://www.sciencemag.org/content/345/6202/1270.full)
SKILLS
Bilingual
Native English and Bengali (fluent)
Operating Systems
Windows
Software
ArcMap 10, ArcGIS Pro, IDRISI, PCI Geomatica, STATA, Maxent, R package, MATLAB, Machine Learning (beginner)

SERVICE TO THE INSTITUTION
2020-2021 PhD students Search Committee Member, School of Public Health, University of North Texas Health Science Center
2020-2021 Faculty Search Committee Member, Dept. of Epidemiology & Biostatistics, University of North Texas Health Science Center
2017-18 Faculty Search Committee Member, Dept. of Public Health, Baldwin Wallace University
2018 Graduate Student Application Reviewer, Asian Institute of Technology, Thailand
2018 Graduate Student Application Reviewer, Khon Kaen University, Thailand
2017-18 Member, Undergraduate Research and Creative Studies Advisory Council, Baldwin Wallace University

SERVICE TO THE PROFESSION

GRANT REVIEWER
2016 Welcome Trust (204803/Z/16/Z)
2017 Marie Curie (four proposals)
2020 UKRI (two proposals)
2021 NIH/ NIAID (Vector biology)

EDITORIAL SERVICE

Editorial Board Member
- J Public Health Emergency
- Pathogens
- Journal of Biosafety & Health Education (1 article, 2014)
- Environmental Informatics
- Epidemiologia
- Journal of Bacteriology and Mycology (1 article, 2015)
- Journal of Epidemiological Research
- SciTz Nutrition and Food Science

Reviewer Service
- BMJ Global Health (1 article, 2016)
- Tropical Medicine and Infectious Disease (1 article, 2018)
- BMJ Open (1 article, 2016)
- Journal of Medical Entomology (1 article, 2018)
• Nat. Hazards Earth Syst. Sci. (1 article, 2018)
• BMC Infectious Diseases (1 article, 2016)
• International Journal of Environmental Research and Public Health (1 article, 2016, 1 2021)
• Science of the Total Environment (1 article, 2016)
• Asian Journal of Environment & Ecology (1 article, 2016)
• BMC Medicine (1 article, 2015)
• Spatial and Spatio-temporal Epidemiology (1 article, 2015, 1 article, 2016)
• Environmental Studies and Sciences (1 article, 2015)
• British Journal of Medicine and Medical Research (1 article, 2015)
• Journal of Geography, Environment and Earth Science International (1 article, 2015)
• Journal of Parasitology and Vector Biology (2 articles, 2015)
• Journal of Basic and Applied Research international (1 article, 2015)
• International Journal of Research in Environmental Studies (1 article, 2015)
• Acta Tropica (5 articles, 2018, 3 article, 2017, 4 articles, 2016, 1 article, 2015)
• Int. J. Environ. Res. Public Health (1 article, 2015)
• PLoS ONE (1 article, 2017, 1 article in 2013, 3 articles in 2014)
• Journal of Infection and Public Health (1 article, 2014)
• Journal of Clinical and diagnostic Research (1 article, 2014)
• Dove Medical Press (1 article, 2014; 1 article, 2015)
• International Journal of Tropical Disease & Health (2 articles, 2014)
• International Journal of Public and Environmental Health (1 article, 2014)
• Environmental Research (1 article, 2014)
• Annals of Medical and Health Sciences Research (1 article, 2014)
• Malaria Journal (2 article, 2014)
• Pan African medical Journal (1 article, 2014)
• Tropical Medicine and International Health (1 article, 2013)
• iConcept Medical Diagnosis and Treatment (1 article, 2013)
• Geography and Regional Planning (1 article, 2012)

PROFESSIONAL MEMBERSHIP
• Association of American Geographers
• American Geophysical Union
• American Association for the Advancement of Science, (AAAS)

NATIONAL MALARIA CONTROL PROGRAM EVALUATION
• Bangladesh
• Botswana
• Eritrea
• Zambia

EMPLOYMENT AND OTHER TRAVELS
Australia, Bangladesh, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, India, Japan, Laos, Malaysia, Mexico, Morocco, Norway, Singapore, Sri Lanka, Slovenia, Sweden, Switzerland, Tanzania, Thailand, Turkey, UK, USA, Zambia